

## **ABSTRACT**

### **ERP SYSTEM OF SMART SME DESIGN BASED ON MODEL SERVICE IN PRODUCTION PROCESS USING SERVICE ORIENTED ARCHITECTURE METHOD**

By  
**PANDU ARY WIJAYA**  
**1202150009**

Small Medium Enterprise or SME in Indonesia is one of field that give significant contribution in pusing economic growth of a country. So that most of society choose SME as their business. However, SME as economic support currently still have not implement integrated system to help business process on running the SME. As in capacity determination production process, chosing raw material from supplier, managing raw material production that still be done manually and service needed to the production activities are have not be done well. Neither SME which do many transaction activities with other enterprise unit, nor transaction cross SME have not implying a system that able to fulfill needs of their business activities.

The research systematic in designing ERP model is using SOA (Service Oriented Architecture) method, in order to make design model of business process and service that will be used so that suitable wirh "SMART SME" system based on ERP open source in production modul with applying production time prediction feature i.e predicting production capacity is one of efficient way to manage production capacity and goods management that become SME's problem in running their production activities. The results of the research is a design of Smart SME model system based on ERP Odoo production modul that has been adjusted with SME's business needs and expected business process proposal can be one of standardization in SME's production activities in Indonesia.

Keywords: SME, ERP Open Source, Production Module, SOA